



CITY OF LODI COUNCIL COMMUNICATION

AGENDA TITLE: Approve Plans and Specifications and Authorize Advertisement for Bids for Asphalt Rubber Cape Seal, Various Streets, 2006

MEETING DATE: March 15, 2006

PREPARED BY Public Works Director

RECOMMENDED ACTION: That the City Council approve the plans and specifications for the Asphalt Rubber Cape Seal, Various Streets, 2006 project and authorize advertising for bids.

BACKGROUND INFORMATION: This project includes the application of an asphalt rubber cape seal on various City streets. The streets were identified through the City's Pavement Management System based on the condition of the street pavement and the traffic load. The attached exhibits show the streets that will receive the cape seal.


The Asphalt Rubber Cape Seal, Various Streets, 2006 project consists of the rehabilitation and resurfacing of various City streets with a layer of an asphalt rubberized chip seal followed by a layer of slurry seal on top. The combination of the asphalt rubberized chip seal and the slurry is commonly known as a cape seal. An asphalt rubberized cape seal provides a cost-effective alternative to a more costly asphalt overlay to extend the life and rehabilitate deteriorated roads and streets within the City. This new method of pavement rehabilitation is being evaluated by staff for its effectiveness as part of the City's overall efforts to maximize limited street maintenance resources.

While a slurry seal only seals the road and provides a new wearing surface, the asphalt rubberized cape seal provides added strength, stability and crack reduction benefits similar to the **performance** benefits of an overlay but at a much lower cost. Staffs goal is to evaluate performance to determine whether the City should continue using this product in lieu of a more expensive overlay program in the residential areas of the City.

There will be temporary street closures on the day of the asphalt rubberized chip seal and on the day of the slurry seal. Immediately after the placement of the asphalt rubberized chip seal, the contractor will use rollers to seat the chips into the asphalt oil. The contractor will then provide a minimum of four sweepings to pick up the loose chips. Two days after the placement of the chip seal (but no more than seven days later) the contractor will again close the street for the slurry seal. The contractor will work with our Street Division in providing advance notification to the public regarding the dates and times of these temporary closures. Residents will received a notice two weeks prior to the chip seal work and a door hanger will be distributed 48 hours before the contractor starts work on each street.

The plans and specifications for this project are on file in the Public Works Department. The number of streets included in this project comprises the near-minimum square yardage to achieve economy-of-scale objectives. Approximately 65,000 square yards of City streets are included in this project. Asphalt

APPROVED:

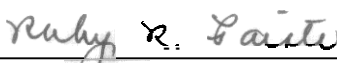

Blair King, City Manager

rubber cape seal contractors require at least 30,000 square yards of streets before they will bid on a project. A project with a minimum of 60,000 square yards of asphalt rubber cape seal should provide the City with prices that are below \$5 per square yard.

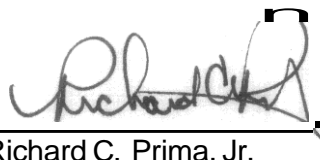
FISCAL IMPACT: The estimated cost for this project is \$300,000. There should be a slight decrease in short-term street maintenance costs at the completion of this project.

FUNDING AVAILABLE: The money for this project will be coming from the Street Fund. A request for appropriation of funds will be made at time of contract award.

Project Estimate \$300,000
Budgeted: 2005/06 fiscal year
Planned Bid Opening Date: April 26, 2006



Ruby Faiste, Interim Finance Director



Richard C. Prima, Jr.
Public Works Director

Prepared by Wesley K. Fujitani, Senior Civil Engineer

Attachments

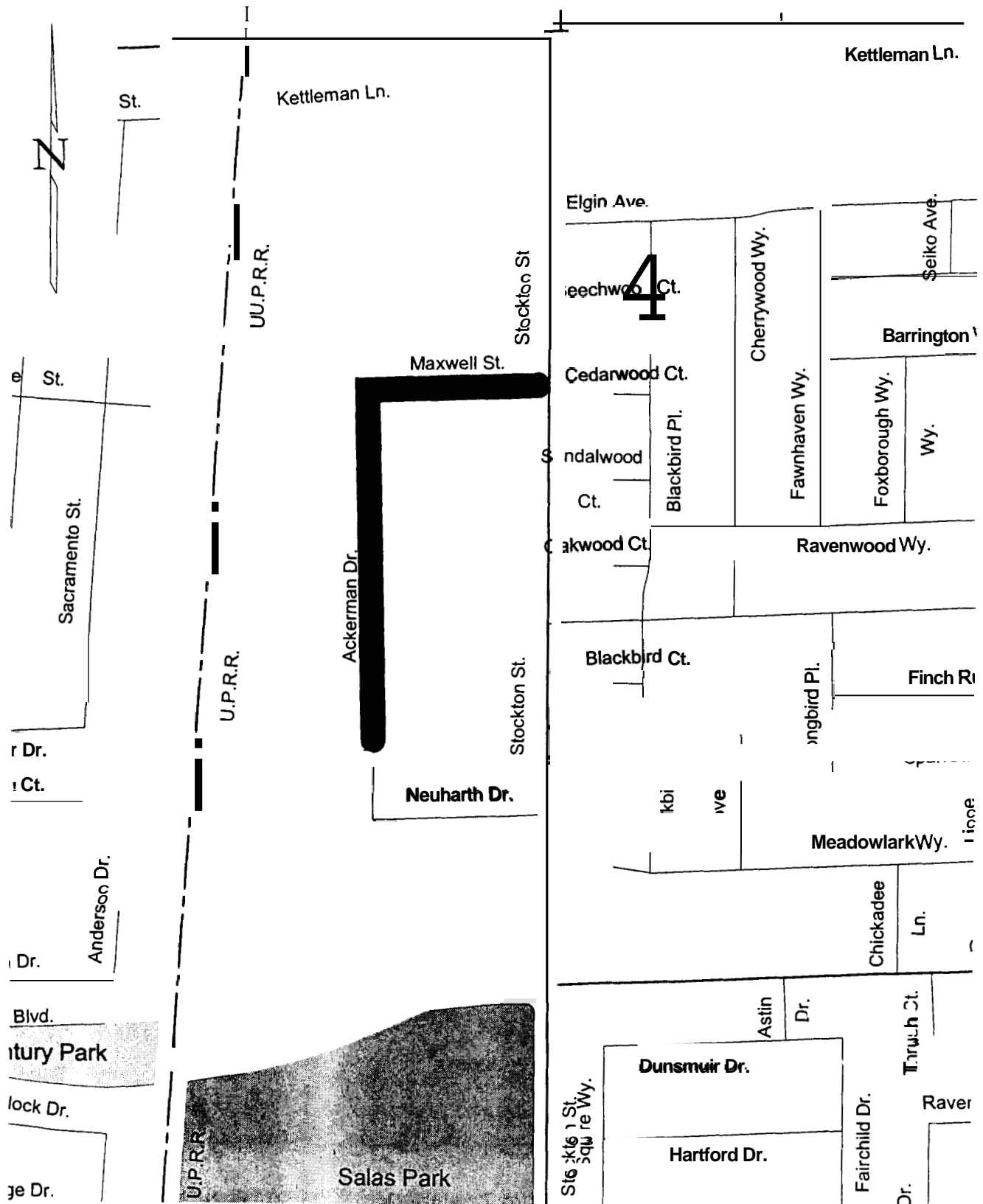
cc Joel Harris, Purchasing Officer
 George Bradley, Street Superintendent



CITY OF LODI

PUBLIC WORKS DEPARTMENT

CHIP SEAL, AREA 2
ACKERMAN DR.
MAXWELL DR.





CITY OF LODI

PUBLIC WORKS DEPARTMENT

CHIP SEAL AREA 4 EDGEWOOD DR. KIRKWOOD - 'HAM

